



Federal Aviation Administration  
Air Traffic Airspace Branch, ASW-520  
2601 Meacham Blvd.  
Fort Worth, TX 76137-0520

Aeronautical Study No.  
2006-ANE-1451-OE

Issued Date: 01/24/2007

Keith Coppins  
Optasite, Inc  
446 Main Street  
Worcester, MA 01608

**\*\* DETERMINATION OF NO HAZARD TO AIR NAVIGATION \*\***

The Federal Aviation Administration has completed an aeronautical study under the provisions of 49 U.S.C., Section 44718 and, if applicable, Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure:	Tower
Location:	Groton, CT
Latitude:	41-23-59.90 N NAD 83
Longitude:	72-4-45.20 W
Heights:	150 feet above ground level (AGL) 292 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

Based on this evaluation, marking and lighting are not necessary for aviation safety. However, if marking and/or lighting are accomplished on a voluntary basis, we recommend it be installed and maintained in accordance with FAA Advisory Circular 70/7460-1 AC 70/7460-1K.

This determination is based, in part, on the foregoing description which includes specific coordinates, heights, frequency(ies) and power. Any changes in coordinates, heights, and frequencies or use of greater power will void this determination. Any future construction or alteration, including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of the structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

A copy of this determination will be forwarded to the Federal Communications Commission if the structure is subject to their licensing authority.

If we can be of further assistance, please contact our office at (781)238-7522.  
On any future correspondence concerning this matter, please refer to  
Aeronautical Study Number 2006-ANE-1451-OE.

Signature Control No: 492470-522167

(DNE)

Suzanne Dempsey  
Technician



CLOUGH HARBOUR & ASSOCIATES LLP

## FAA 2-C SURVEY CERTIFICATION

**Site Name:** New London  
**Site Number:** CT-999-0108  
**Site Address:** 1294 Pleasant Valley Road North  
Groton, CT 06340

**Horizontal Datum:** NAD 83      ☒ GPS survey      ☐ Ground survey

**Vertical Datum:** NAVD 1988 (AMSL)      ☒ GPS survey      ☐ Ground survey

**Structure Type:** ☒ Proposed Tower      ☐ Existing Tower      ☐ Roof Top  
☐ Water Tank      ☐ Smoke Stack      ☐ Other:

**Latitude:** 41°-23'-59.9" N

**Longitude:** 72°-04'-45.2" W

**Average Ground Elevation:** 142' AMSL Elevation (in feet)

**Certification:** I certify that the latitude of 41°-23'-59.9"N and the longitude of 72°-04'-45.2"W are accurate to within +/- 50 feet horizontally, and that the site elevation of 142' AMSL is accurate to within +/- 20 feet vertically. The horizontal datum (coordinated) are in terms of the North American Datum of 1983 (NAD 83) and are expressed in degrees, minutes and seconds, to the nearest tenth of a second. The vertical datum is in terms of the North American Vertical Datum of 1988 (NAVD 88) and is determined to the nearest foot.

**Company:** Clough Harbour and Associates, LLP

**Surveyor  
Signature/Seal:**

*William S. Lucarelli*  
William S. Lucarelli  
CT LS No 16529

**Date:**

